Creative Enzymes®

(R)-pantolactone dehydrogenase (flavin)

Cat. No. EXWM-0455

Lot. No. (See product label)

Introduction

Description	High specificity for (R)-pantolactone. Phenazine methosulfate (PMS) can act as acceptor. The enzyme has been studied in the bacterium Nocardia asteroides and shown to be membrane-bound and induced by 1,2-propanediol. The FMN cofactor is non-covalently bound.
Synonyms	2-dehydropantolactone reductase (flavin); 2-dehydropantoyl-lactone reductase (flavin); (R)-pantoyllactone dehydrogenase (flavin)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.99.27
CAS No.	140879-14-7
Reaction	(R)-pantolactone + acceptor = 2-dehydropantolactone + reduced acceptor
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.